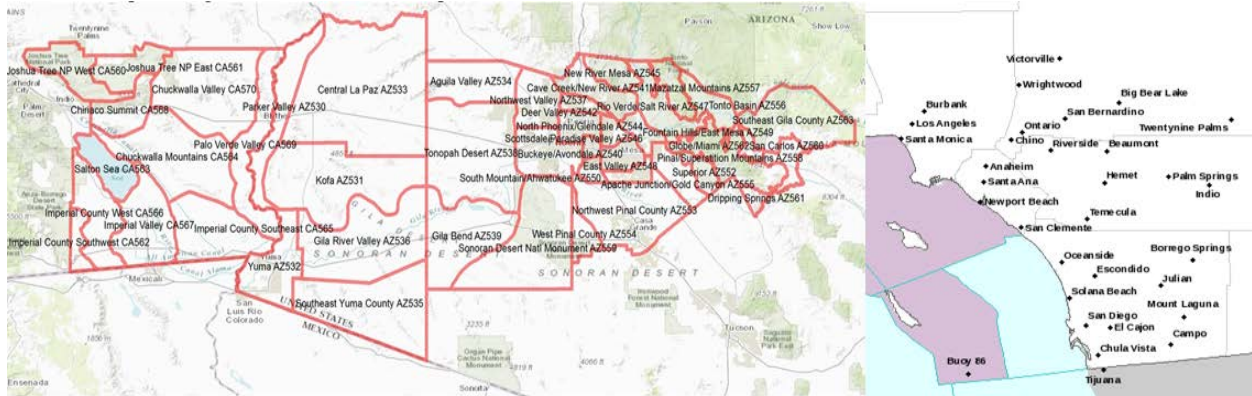


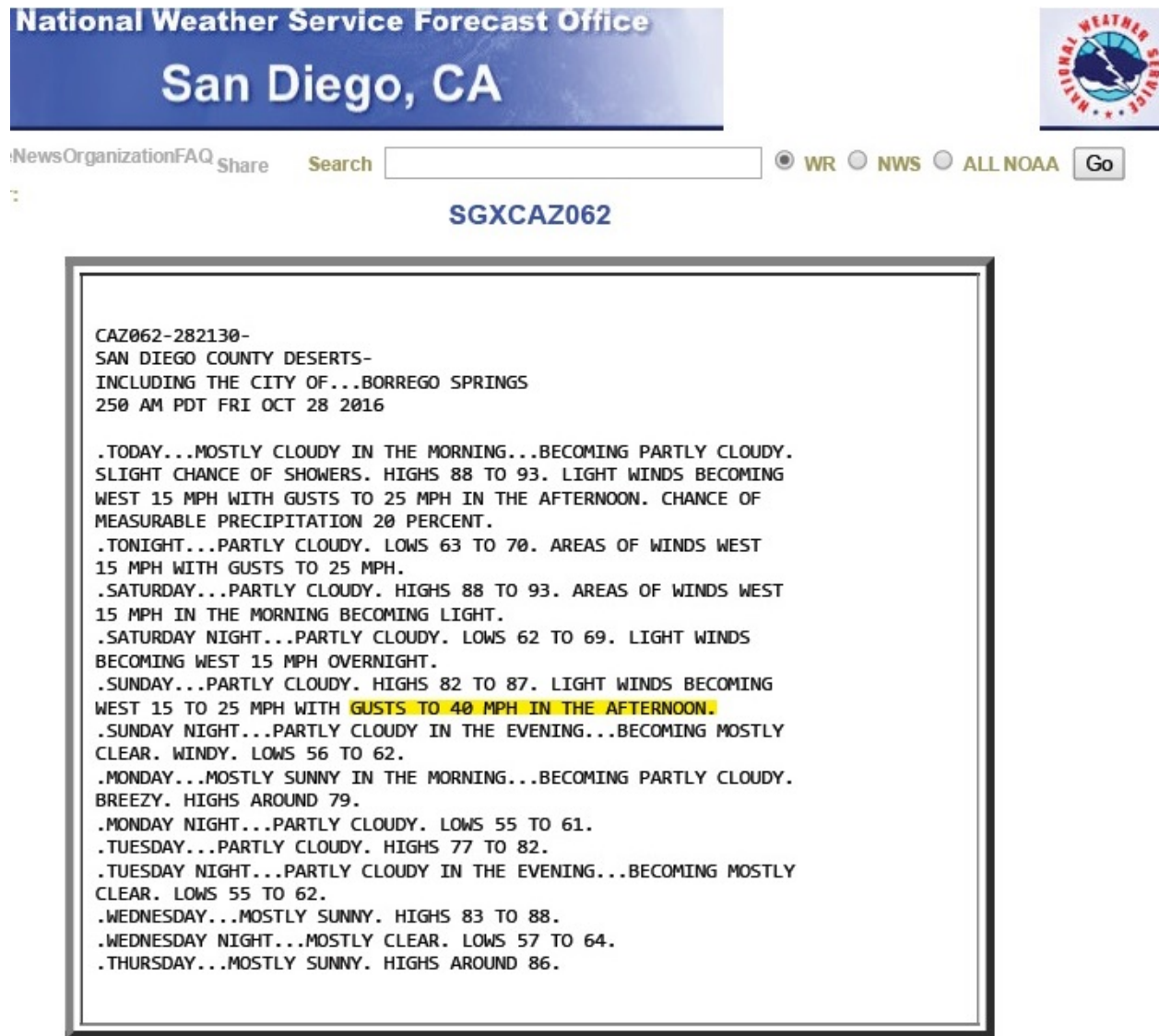
**Appendix A**  
**Public Notification that a potential event was occurring**  
**(40 CFR §50.14(c)(1)(i))**

**FIGURE A-1**  
**NATIONAL WEATHER SERVICE PUBLIC ZONES**



**Fig A-1:** Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

**FIGURE A-2**  
**GUSTY WINDS ON THE WAY FOR THE SAN DIEGO DESERTS**



**Fig. A-2:** A Zone Forecast for Borrego Springs and the San Diego deserts issued on October 28 was already forecasting strong, gusty winds for Sunday, October 30. Source: NWS San Diego;  
[http://www.wrh.noaa.gov/sgx/display\\_zone.php?sid=SGX&zone=CAZ062](http://www.wrh.noaa.gov/sgx/display_zone.php?sid=SGX&zone=CAZ062).

**FIGURE A-3**  
**WIND GUSTS UP TO 40 MPH FORECASTED FOR THE SAN DIEGO DESERTS**

CAZ062-300115-

**SAN DIEGO COUNTY DESERTS** INCLUDING  
 THE CITY OF...BORREGO SPRINGS

**305 AM PDT SAT OCT 29 2016**

.TODAY...PARTLY CLOUDY. HIGHS AROUND 90. LIGHT WINDS.

.TONIGHT...PARTLY CLOUDY. LOWS 64 TO 70. LIGHT WINDS BECOMING  
 WEST 15 MPH WITH GUSTS TO 25 MPH OVERNIGHT.

**.SUNDAY...PARTLY CLOUDY. HIGHS 84 TO 89. AREAS OF WINDS WEST**  
**15 MPH WITH GUSTS TO 30 MPH...BECOMING 20 TO 30 MPH WITH GUSTS TO**  
**40 MPH IN THE AFTERNOON.**

.SUNDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY  
 CLEAR. COOLER. LOWS 57 TO 63. AREAS OF WINDS WEST 20 TO 30 MPH  
 WITH GUSTS TO 45 MPH...BECOMING 15 TO 20 MPH WITH GUSTS TO 30 MPH  
 OVERNIGHT.

.MONDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY.

11/28/2017 IEM :: ZFP from NWS SGX

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201610291005> 7/7

HIGHS AROUND 81. AREAS OF WINDS WEST 15 TO 20 MPH WITH GUSTS TO  
 30 MPH BECOMING SOUTH WITH GUSTS TO 25 MPH IN THE AFTERNOON.

.MONDAY NIGHT...PARTLY CLOUDY. WINDY. LOWS 55 TO 60.

.TUESDAY...PARTLY CLOUDY. WINDY. HIGHS AROUND 81.

.TUESDAY NIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY  
 CLEAR. LOWS 55 TO 62.

.WEDNESDAY...MOSTLY SUNNY. HIGHS AROUND 85.

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS 57 TO 64.

.THURSDAY...MOSTLY SUNNY. HIGHS AROUND 87.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 59 TO

**Fig. A-3:** A Zone Forecast for Borrego Springs and the San Diego deserts issued on October 29 was already forecasting strong, gusty winds for Sunday, October 30. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201610291005>.

**FIGURE A-4**  
**A DEEP LOW APPROACHING WILL BRING GUSTY WINDS**

Area Forecast Discussion

National Weather Service San Diego CA

326 AM PDT Sat Oct 29 2016

.SYNOPSIS...

A weak weather system will approach the region from the NW late tonight. The brunt of the precipitation with this system will once again be well to the north, so there will just be a chance of showers over Southern California on Sunday. Precipitation will be higher in the mountains, with little or no rainfall at the lower elevations. **Winds will also become quite gusty on Sunday over the mountains, through the passes and into the deserts.** Cool, but mostly dry, weather will continue for Halloween through the first few days of November. Temperatures will likely warmup above normal readings by the end of next week as high pressure builds over the SW states.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Generally partly cloudy skies early this morning over our region as areas of mid and high level clouds move NE from the subtropics. Today will be a bit warmer but tempered by variably cloudy skies.

**A deep low over the Pac NW will swing a trough across the west coast on Sunday.** The southernmost extent of this trough will be very weak but enough PVA along the trough axis along with some mainly mid level moisture should bring showers to parts of our area, during the day Sunday and into early Sunday evening. The best chance for precipitation will be over the San Bernardino Mountains which will have a bit of upslope enhancement with precip amounts up to 1/4 inch. Elsewhere, shower chances will be slight, with very light amounts in most locations west of the mountains, generally only a few hundredths of an inch, and no precip is expected to make it into the deserts.

**Increasing winds will be likely on Sunday due to the storm passing to the north. Winds in the mountains and deserts will be on the strong side but not likely to reach wind advisory levels.**

**Fig. A-4:** A strong low approaching the region was forecasted to bring gusty winds on October 30. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201610291026>.

**FIGURE A-5**  
**GUSTY WINDS UP TO 50 MPH EXPECTED ON DESERT SLOPES**

Area Forecast Discussion

National Weather Service San Diego CA

914 AM PDT Sat Oct 29 2016

.SYNOPSIS...

Sunny and dry today with mid and high level clouds traversing the region. A moderate strength system will impact Central and Northern CA tomorrow, but our region will miss out on the majority of the moisture. The best rainfall chances tomorrow will be along the coastal slopes of the San Bernardino County mountains, with only a few spotty showers possible over the coast and valleys. Below average temperatures Monday and Tuesday will give way to above average temperatures by Friday.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

At 900 AM, SoCal remained on the southern periphery of a longwave trough with yesterdays shortwave having shifted eastward. This has left us with southwest flow in the mid and high levels that is sending subtropical moisture streaming overhead. The resulting mid and high clouds produced a nice sunrise this morning. At the surface winds were light this morning with no marine layer inversion notable on the 00Z NKX sounding.

For today and tonight, very quite weather will make for a great start to the weekend with near average temperatures, partly cloudy skies and light winds. High clouds will continue to stream overhead, and may make for an excellent sunset this evening, depending on how much they increase through the day. No marine layer fog or low clouds are expected overnight given the high cloud cover and continued absence of the marine layer inversion. On Sunday a moderate strength short wave will propagate through Northern and Central CA. Unfortunately for us the best dynamics with this system will stay north of Point Conception. This will leave SoCal with limited PVA below 600 mb and weak upslope flow of 20 kts or so to produce lift. Moisture on Sunday will also be poorly distributed with around 1.2 inches of PW in the mid and upper levels split by an ample dry layer between 700 and 500 mb. Thus any precipitation production will have to take place below 700 mb, limiting any appreciable rainfall chances to the coastal slopes. Winds will also be gusty along the desert slopes Sunday with near advisory criteria wind gusts likely, especially in Riverside and San Diego Counties. Local gusts to 50 mph look possible, but coverage may not be extensive enough for an advisory.

**Fig. A-5:** A strong low approaching the region was forecasted to bring gusty winds to the desert slopes. A Wind Advisory was later issued. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201610291614>.

**FIGURE A-6**  
**WIND ADVISORY ISSUED FOR SAN DIEGO COUNTY DESERTS**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 152 PM PDT SAT OCT 29 2016  
 ...WIND ADVISORY IN EFFECT SUNDAY AFTERNOON THROUGH EVENING...  
 .A TROUGH OF LOW PRESSURE WILL BRING STRONG ONSHORE FLOW AND THE  
 POTENTIAL FOR MOUNTAIN WAVE ACTIVITY TO THE DESERT SLOPES OF THE  
 SAN DIEGO AND RIVERSIDE COUNTY MOUNTAINS SUNDAY.  
 CAZ056-058-062-065-300700-  
 /O.NEW.KSGX.WI.Y.0039.161030T1800Z-161031T0600Z/  
 RIVERSIDE COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINSSAN  
 DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNINGINCLUDING  
 THE CITIES OF...JULIAN...DESERT HOT SPRINGS  
 152 PM PDT SAT OCT 29 2016  
 ...WIND ADVISORY IN EFFECT FROM 11 AM TO 11 PM PDT SUNDAY...  
 THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A WIND  
 ADVISORY...WHICH IS IN EFFECT FROM 11 AM TO 11 PM PDT SUNDAY.  
 \* WINDS...WEST TO NORTHWEST WINDS 15 TO 30 MPH WITH GUSTS 40 TO  
 50 MPH...LOCAL GUSTS TO 55 MPH.  
 \* TIMING...SUNDAY AFTERNOON AND EVENING.  
 \* LOCATION...DESERTS SLOPES OF THE RIVERSIDE AND SAN DIEGO COUNTY  
 MOUNTAINS...THROUGH THE PASSES AND CANYONS... AND BELOW THE SAN  
 GORGONIO PASS.  
 \* VISIBILITY...AREAS OF BLOWING DUST MAY PRODUCE LOCAL VISIBILITY RESTRICTIONS  
 OF 3 MILES OR LESS.  
 \* IMPACTS...HAZARDOUS TRAVEL CONDITIONS FOR HIGH PROFILE VEHICLES  
 DUE TO STRONG CROSS WINDS.  
 \* OUTLOOK...WINDS WILL WEAKEN BY EARLY MONDAY MORNING.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
 THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
 PROFILE VEHICLES. USE EXTRA CAUTION.

**Fig. A-6:** A Wind Advisory was issued for a wide area including the desert slopes and deserts of San Diego County. This area was immediately upstream of Imperial County during the wind event. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201610292052>.

**FIGURE A-7**  
**WIND ADVISORY FOR SAN DIEGO COUNTY DESERTS**

CAZ062-310115-

**SAN DIEGO COUNTY DESERTS-**

INCLUDING THE CITY OF...BORREGO SPRINGS

304 AM PDT SUN OCT 30 2016

...**WIND ADVISORY IN EFFECT FROM 11 AM THIS MORNING TO 11 PM PDT**

THIS EVENING...

.TODAY...PARTLY CLOUDY. **PATCHY BLOWING SAND AND BLOWING DUST IN THE AFTERNOON.** HIGHS 84 TO 89. **AREAS OF WINDS WEST 15 TO 25 MPH. GUSTS TO 35 MPH.**

.TONIGHT...PARTLY CLOUDY IN THE EVENING...BECOMING MOSTLY CLEAR. PATCHY BLOWING SAND AND BLOWING DUST IN THE EVENING. COOLER. LOWS 57 TO 63. AREAS OF WINDS WEST 25 TO 35 MPH. GUSTS TO 50 MPH... BECOMING 45 MPH OVERNIGHT.

.MONDAY...MOSTLY SUNNY IN THE MORNING...BECOMING PARTLY CLOUDY. HIGHS AROUND 82. AREAS OF WINDS WEST 15 TO 25 MPH. GUSTS TO 40 MPH...BECOMING 25 MPH IN THE AFTERNOON.

.MONDAY NIGHT...MOSTLY CLEAR IN THE EVENING...BECOMING PARTLY CLOUDY. LOWS 54 TO 60. AREAS OF WINDS WEST 20 TO 30 MPH. GUSTS TO 50 MPH...BECOMING 40 MPH OVERNIGHT.

.TUESDAY...PARTLY CLOUDY IN THE MORNING...BECOMING MOSTLY SUNNY. HIGHS 79 TO 84. AREAS OF WINDS WEST 15 TO 20 MPH WITH GUSTS TO 30 MPH BECOMING EAST WITH GUSTS TO 25 MPH IN THE AFTERNOON.

.TUESDAY NIGHT...MOSTLY CLEAR. LOWS 55 TO 62.

.WEDNESDAY...MOSTLY SUNNY. HIGHS 82 TO 87.

.WEDNESDAY NIGHT...MOSTLY CLEAR. LOWS 57 TO 64.

.THURSDAY...MOSTLY SUNNY. HIGHS AROUND 88.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS 59 TO 66.

.FRIDAY...MOSTLY SUNNY. HIGHS 86 TO 91.

.FRIDAY NIGHT...MOSTLY CLEAR. LOWS 60 TO 67.

.SATURDAY...MOSTLY SUNNY. HIGHS AROUND 90.

**Fig. A-7:** a Wind Advisory was issued for the San Diego County deserts. This area was upstream from Imperial County during the wind event on October 30, 2016. Source: : Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPSGX&e=201610301004>.



**FIGURE A-8**  
**TROUGH MOVES OVER REGION – ONSHORE GRADIENT EXPECTED**

Area Forecast Discussion

National Weather Service San Diego CA

338 AM PDT Sun Oct 30 2016

.SYNOPSIS...

A low pressure system will move through Central CA today, and while the more significant precip will be found up north, scattered showers are in the forecast for this afternoon and evening, with the best chance over the coastal slopes of the San Bernardino County mountains. A few light showers will also be found over the coast and valleys. Below normal temperatures Monday and Tuesday with some low coastal clouds and fog possible, giving way to above normal temperatures by Thursday and Friday.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Significant coverage of mid and high level cloudiness continues this morning as SW flow continues over our area, drawing some remnant moisture to the north. Meanwhile a vigorous S/W trough will drop into Central CA today, bringing a much stronger onshore gradient to our region, and scattered rain showers by this afternoon and continuing into early evening over SoCal. The nearest showers are now noted on radar as far south as Ventura County, with some stronger convection over the Central Valley. The best chance for showers over our area will be over the Santa Ana and San Bernardino County Mountains, particularly over the upslope faces of the San Bern Mountains. Lesser chances to the south, with no mention over the deserts. A very weak S/W will round the trough late tonight, possibly bringing a few additional showers to the mountains.

The stronger onshore gradient will kick up SW to W winds over the mountains, particularly through the passes and along the desert slopes. These winds will be particularly strong over the Riverside and San Diego County Mountains, where a wind advisory remains in effect for this afternoon and this evening. The gusty winds may also pick up some dust and sand in the deserts during the afternoon and evening.

**Fig. A-8:** Strong gusty winds were expected due to a tightening of the gradient brought on by a low pressure passing through the region. Source: Iowa Environmental Mesonet; <https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201610301038>.



**FIGURE A-9**  
**BLOWING DUST EXPECTED ALONG DESERT SLOPES**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 508 AM PDT SUN OCT 30 2016  
 ...WIND ADVISORY IN EFFECT THIS AFTERNOON AND EVENING...  
 .A TROUGH OF LOW PRESSURE WILL BRING STRONG ONSHORE WINDS TO THE  
 MOUNTAINS OF SOCAL THIS AFTERNOON AND EVENING. THE STRONGEST WINDS  
 WILL BE ALONG THE DESERT SLOPES OF THE SAN DIEGO AND RIVERSIDE  
 COUNTY MOUNTAINS WITH A POTENTIAL THERE FOR MOUNTAIN WAVE  
 ACTIVITY.  
 CAZ056-058-062-065-302100-  
 /O.CON.KSGX.WI.Y.0039.161030T1800Z-161031T0600Z/  
 RIVERSIDE COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINSSAN  
 DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNINGINCLUDING  
 THE CITIES OF...JULIAN...DESERT HOT SPRINGS  
 508 AM PDT SUN OCT 30 2016  
 ...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO  
 11 PM PDT THIS EVENING...  
 \* WINDS...WEST TO NORTHWEST WINDS 20 TO 30 MPH WITH GUSTS UP TO  
 55 MPH AT TIMES.  
 \* TIMING...THIS AFTERNOON AND EVENING.  
 \* LOCATION...DESERTS SLOPES OF THE RIVERSIDE AND SAN DIEGO  
 COUNTY MOUNTAINS...THROUGH THE PASSES AND CANYONS... AND BELOW  
 THE SAN GORGONIO PASS.  
 \* VISIBILITY...AREAS OF BLOWING DUST AND SAND MAY PRODUCE BRIEF  
 VISIBILITY RESTRICTIONS OF 3 MILES OR LESS ALONG THE DESERT  
 SLOPES.  
 \* IMPACTS...HAZARDOUS TRAVEL CONDITIONS FOR HIGH PROFILE  
 VEHICLES DUE TO STRONG CROSS WINDS AND BLOWING DUST AND SAND.  
 \* OUTLOOK...WINDS WILL GRADUALLY WEAKEN LATE TONIGHT.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
 THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
 PROFILE VEHICLES. USE EXTRA CAUTION.

**Fig. A-9:** An Urgent Weather Message continued the Wind Advisory and emphasized the likelihood of blowing dust and sand along desert slopes immediately upstream of Imperial County. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201610301208>.

**FIGURE A-10**  
**ZONE FORECAST FOR IMPERIAL COUNTY – OCTOBER 30**

CAZ033-302300-

**IMPERIAL COUNTY-**

ZFP from NWS PSR

INCLUDING THE CITIES OF...BRAWLEY...CALEXICO...EL CENTRO...GLAMIS...  
IMPERIAL...THE SALTON SEA

**858 AM PDT SUN OCT 30 2016**

.TODAY...PARTLY CLOUDY AND BREEZY. HIGHS 88 TO 93. **SOUTHWEST WIND**

**10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE AFTERNOON.**

.TONIGHT...MOSTLY CLEAR...BREEZY AND COOLER. LOWS 55 TO 65. WEST WIND  
10 TO 20 MPH. GUSTS UP TO 30 MPH IN THE EVENING.

.MONDAY...PARTLY SUNNY. NOT AS WARM. HIGHS 78 TO 83. NORTHWEST WIND  
5 TO 15 MPH.

.MONDAY NIGHT...PARTLY CLOUDY IN THE EVENING...THEN BECOMING MOSTLY  
CLEAR. LOWS 52 TO 62. WEST WIND 10 TO 15 MPH.

.TUESDAY...MOSTLY SUNNY. HIGHS 76 TO 81. NORTHWEST WIND 5 TO 10 MPH.

.TUESDAY NIGHT...CLEAR. LOWS IN THE LOWER 50S TO LOWER 60S.

.WEDNESDAY...SUNNY. HIGHS IN THE LOWER TO MID 80S.

.WEDNESDAY NIGHT...CLEAR. LOWS IN THE LOWER 50S TO LOWER 60S.

.THURSDAY...SUNNY AND WARMER. HIGHS 85 TO 90.

.THURSDAY NIGHT...MOSTLY CLEAR. LOWS IN THE MID 50S TO MID 60S.

.FRIDAY...MOSTLY SUNNY. HIGHS 85 TO 90.

.FRIDAY NIGHT...CLEAR. LOWS IN THE UPPER 50S TO UPPER 60S.

.SATURDAY...SUNNY. HIGHS IN THE MID 80S TO LOWER 90S.

**Fig. A-10:** A Zone Forecast for Imperial County called for winds reaching 20 mph with gusts up to 30 mph. Winds were actually much higher. Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=ZFPPSR&e=201610301558>.

**FIGURE A-11**  
**STRONG GUSTY WINDS UP TO 50 MPH TO CONTINUE THROUGH THE DAY**

Area Forecast Discussion

National Weather Service San Diego CA

907 AM PDT Sun Oct 30 2016

.SYNOPSIS...

**A low pressure system will move through Central CA today.** While most of the precipitation will be north of the Palos Verdes peninsula, scattered light showers are expected this afternoon and evening, with the best chance over the coastal slopes of the San Bernardino County mountains. A few light showers could also develop over the coast and valleys. **Strong and gusty west winds will develop in the mountains and deserts late this morning, continuing into this evening.** Below normal temperatures through Tuesday with some coastal low clouds and fog during the nights and mornings, giving way to above normal temperatures by the end of next week.

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

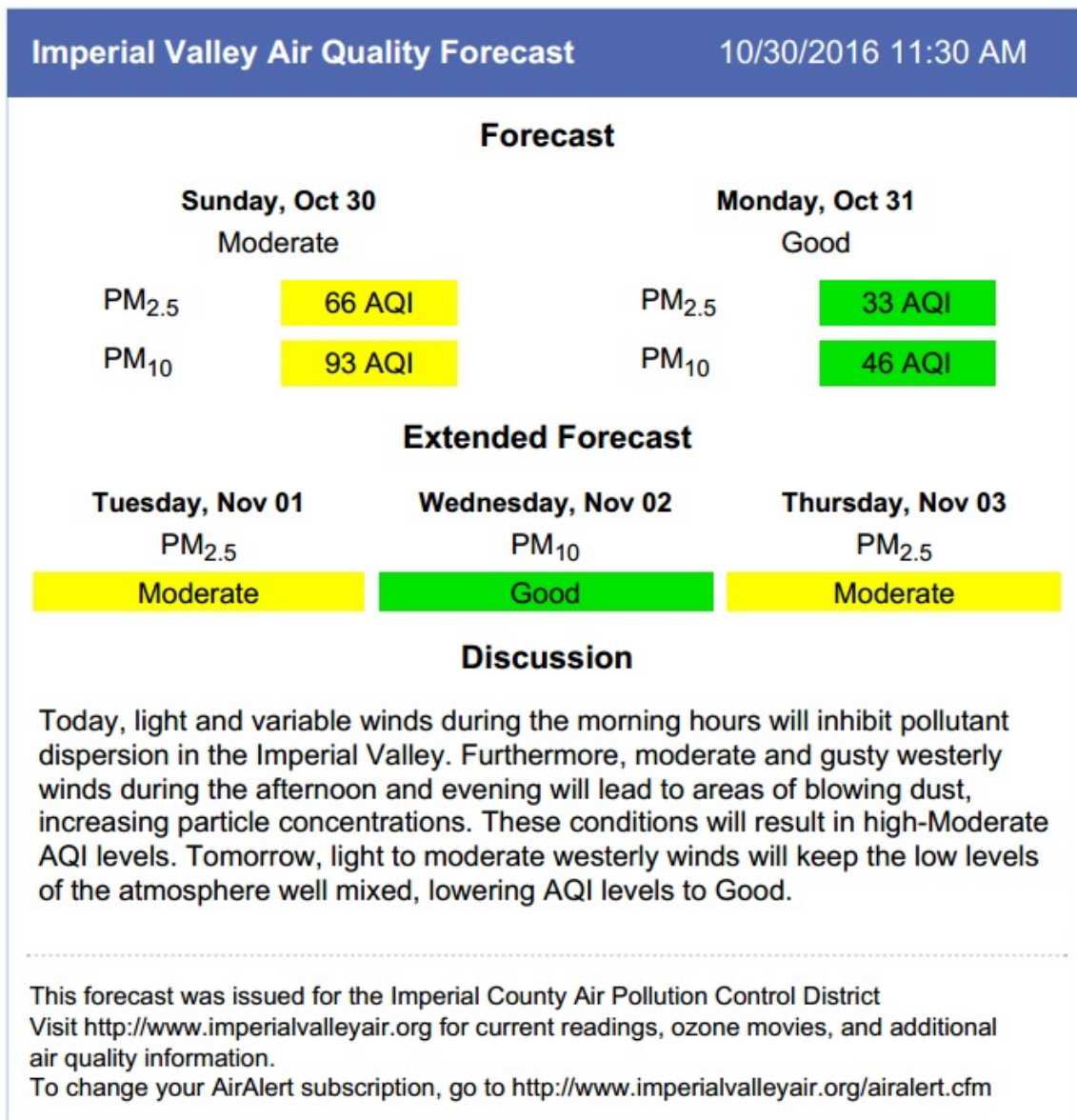
.SYNOPSIS...

Widespread mid and high clouds continue to stream across the region in strong southwest flow aloft, ahead of a low pressure system off the coast of northern CA. No precip south of L.A. County as yet, but sct light showers continue to move northeast at about 20 mph across Ventura and northern L.A. counties. In the last 12 hours, these showers have produced rainfall totals of a few hundredths of an inch to 0.16 inches across Ventura County. A combination of mid-level moisture, weak low-level instability and weak dynamic forcing is responsible for the showers to our northwest. High-resolution models indicate that these parameters will migrate southeastward through this evening, producing isold/sct light showers over portions of Orange, Riverside, San Bernardino, and possibly San Diego counties. By this afternoon/evening showers will be most likely along the coastal mtn slopes. Showers will end by late this evening as the trough axis moves east, taking with it most of the moisture and forcing. Some boundary layer moisture will likely linger west of the mtns into Mon and could produce areas of low clouds and fog tonight into Mon morning.

**As the flow aloft becomes more westerly this afternoon, strong and gusty west winds will develop in the mtns and deserts. Local gusts up to 50 mph will be possible in wind-prone areas. By late evening the winds weaken, but gusty conditions will continue into Mon.**

**Fig. A-11:** The presence of the low pressure system to the north caused gusty winds to continue through the day Source: : Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=AFDSGX&e=201610301607>.

**FIGURE A-12**  
**GUSTY WINDS AND BLOWING DUST FORECASTED FOR IMPERIAL VALLEY**



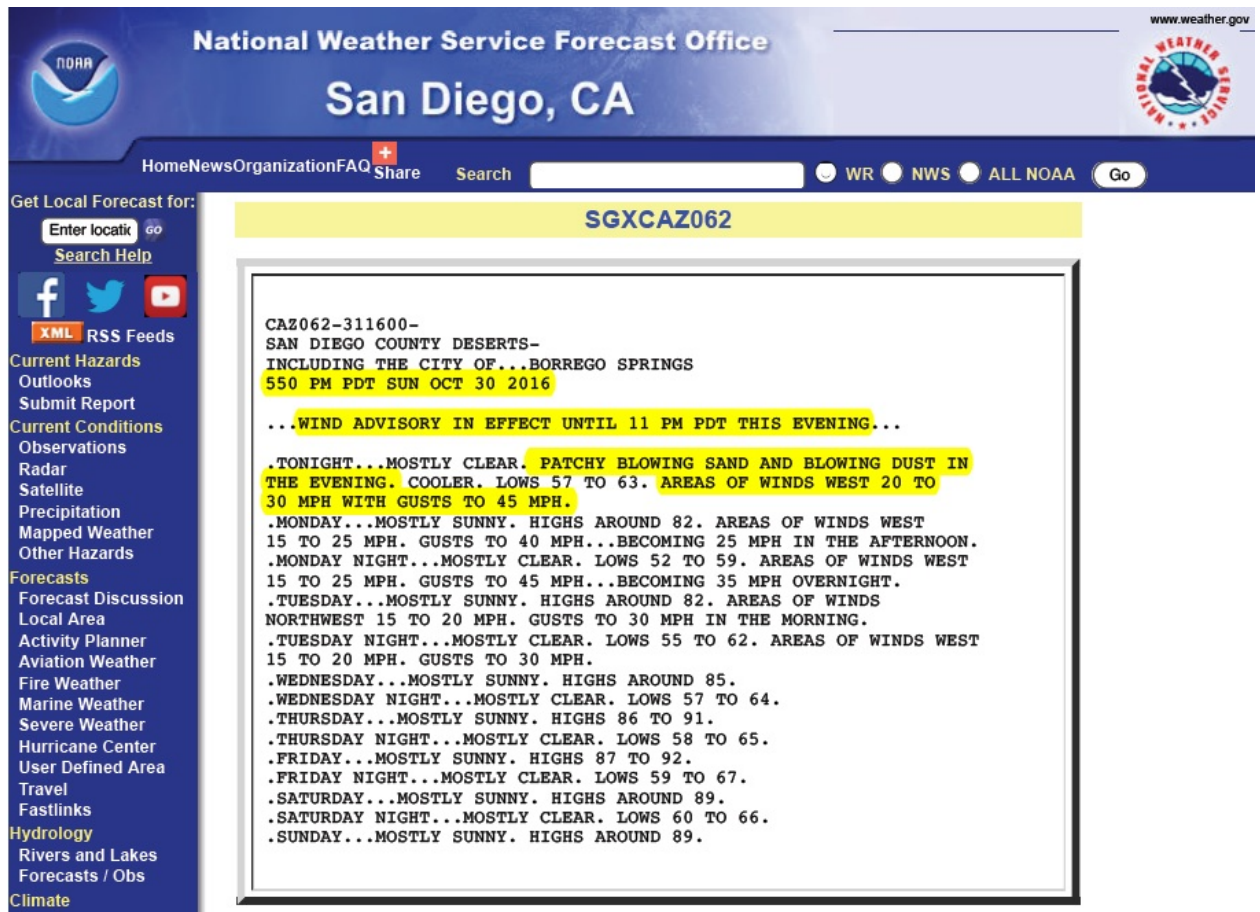
**Fig. A-12:** Gusty winds and blowing dust were forecasted for the Imperial Valley. Source: ICAPCD Archives.

**FIGURE A-13**  
**WIND ADVISORY TO REMAIN IN EFFECT UNTIL 11 P.M OCTOBER 30**

URGENT - WEATHER MESSAGE  
 NATIONAL WEATHER SERVICE SAN DIEGO CA  
 1256 PM PDT SUN OCT 30 2016  
 ...WIND ADVISORY IN EFFECT THIS AFTERNOON AND EVENING...  
 .A TROUGH OF LOW PRESSURE WILL BRING STRONG ONSHORE WINDS TO THE  
 MOUNTAINS OF SOCAL THIS AFTERNOON AND EVENING. THE STRONGEST  
 WINDS WILL BE ALONG THE DESERT SLOPES OF THE SAN DIEGO AND  
 RIVERSIDE COUNTY MOUNTAINS WITH A POTENTIAL THERE FOR MOUNTAIN  
 WAVE ACTIVITY.  
 CAZ056-058-062-065-310600-  
 /O.CON.KSGX.WI.Y.0039.000000T0000Z-161031T0600Z/  
 RIVERSIDE COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINSSAN  
 DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNINGINCLUDING  
 THE CITIES OF...JULIAN...DESERT HOT SPRINGS  
 1256 PM PDT SUN OCT 30 2016  
 ...WIND ADVISORY REMAINS IN EFFECT UNTIL 11 PM PDT THIS EVENING...  
 \* WINDS...WEST TO NORTHWEST WINDS 20 TO 30 MPH WITH GUSTS UP TO  
 50 MPH AT TIMES.  
 \* TIMING...THIS AFTERNOON AND EVENING.  
 \* LOCATION...DESERTS SLOPES OF THE RIVERSIDE AND SAN DIEGO COUNTY  
 MOUNTAINS...THROUGH THE PASSES AND CANYONS...AND EAST OF THE  
 SAN GORGONIO PASS.  
 \* VISIBILITY...AREAS OF BLOWING DUST AND SAND MAY PRODUCE BRIEF  
 VISIBILITY RESTRICTIONS OF 3 MILES OR LESS ALONG THE DESERT  
 SLOPES.  
 \* IMPACTS...HAZARDOUS TRAVEL CONDITIONS FOR HIGH PROFILE  
 VEHICLES DUE TO STRONG CROSS WINDS AND BLOWING DUST AND SAND.  
 \* OUTLOOK...WINDS WILL GRADUALLY WEAKEN LATE TONIGHT.  
 PRECAUTIONARY/PREPAREDNESS ACTIONS...  
 A WIND ADVISORY MEANS THAT WINDS OF 35 MPH ARE EXPECTED. WINDS  
 THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY FOR HIGH  
 PROFILE VEHICLES. USE EXTRA CAUTION.

**Fig. A-13:** The wind advisory for the San Diego County deserts was continued until 11 p.m. Source: Iowa Environmental Mesonet;  
<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201610301956>.

**FIGURE A-14**  
**WIND ADVISORY TO REMAIN IN EFFECT UNTIL 11 P.M OCTOBER 30**



**Fig. A-14:** At 5:50 p.m. the Wind Advisory still remained in effect with the likelihood of blowing dust and sand. Source: NWS San Diego.

**FIGURE A-15**  
**WIND ADVISORY CANCELED**

WWUS76 KSGX 310348  
NPWSGX  
URGENT - WEATHER MESSAGE  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
848 PM PDT SUN OCT 30 2016  
CAZ056-058-062-065-310500-  
/O.CAN.KSGX.WI.Y.0039.000000T0000Z-161031T0600Z/  
RIVERSIDE COUNTY MOUNTAINS-SAN DIEGO COUNTY MOUNTAINSSAN  
DIEGO COUNTY DESERTS-SAN GORGONIO PASS NEAR BANNING-  
848 PM PDT SUN OCT 30 2016  
...WIND ADVISORY IS CANCELLED...  
THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS CANCELLED THE WIND  
ADVISORY.  
OVER THE PAST COUPLE OF HOURS, WESTERLY WINDS HAVE FALLEN BELOW  
CRITERIA AND SHOULD CONTINUE TO WEAKEN OVERNIGHT, SO THE WIND  
ADVISORY HAS BEEN CANCELLED.  
THE PEAK GUST OF 50 MPH WAS OBSERVED AT THE WHITEWATER RAWS SITE  
AT 3 PM THIS AFTERNOON.

**Fig. A-15:** The wind advisory for the San Diego County deserts was cancelled at 8:48 p.m.

Source: Iowa Environmental Mesonet;

<https://mesonet.agron.iastate.edu/wx/afos/p.php?pil=NPWSGX&e=201610310348>.



**FIGURE A-16  
AIR QUALITY INDEX**

<b>Air Quality Index Levels of Health Concern</b>	<b>Numerical Value</b>	<b>Meaning</b>
<b>Good</b>	<b>0 to 50</b>	<b>Air quality is considered satisfactory, and air pollution poses little or no risk.</b>
<b>Moderate</b>	<b>51 to 100</b>	<b>Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.</b>
<b>Unhealthy for Sensitive Groups</b>	<b>101 to 150</b>	<b>Members of sensitive groups may experience health effects. The general public is not likely to be affected.</b>
<b>Unhealthy</b>	<b>151 to 200</b>	<b>Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.</b>
<b>Very Unhealthy</b>	<b>201 to 300</b>	<b>Health alert: everyone may experience more serious health effects.</b>
<b>Hazardous</b>	<b>301 to 500</b>	<b>Health warnings of emergency conditions. The entire population is more likely to be affected.</b>

**Fig. A-16:** The Air Quality Index The AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source: <https://airnow.gov/index.cfm?action=aqibasics.aqi>.

**FIGURE A-17**  
**IMPERIAL COUNTY APCD ISSUES NO BURN DAY**

Imperial County Air Pollution Control District  
Daily Weather and Ag. Burning Information

Date: Sunday, October 30, 2016

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	70	WSW 6	10
8 AM	70	W 3	10
9 AM	75	CALM	10
10 AM	84	WNW 5	10
11 AM	86	NW 7	10
NOON	88	WNW 6	10
1 PM	91	NNW 6	10
2 PM	90	W 3	10
3 PM	93	NNW 5	10
4 PM	93	NNE 5	10
5 PM	91	E 6	10
6 PM	91	ENE 3	10
7 PM	84	CALM	10

Max. Temperature yesterday was 93 degrees

Today's Mt. Signal Visibility at 7:30 AM Hazy NKX 12Z 500 MB Height             
1Y7 12Z 500 MB Height           

**Forecasts**  
**High Today** 89 to 94 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet	<u>-</u>	<u>11:00 am</u>
Forecast of Maximum Mixing Height	<u>-</u> feet	<u>6,561</u> feet
Forecast for Morning surface winds	<u>SW 5</u> mph	<u>VRBL 5</u> mph
Forecast for afternoon surface winds	<u>W 10-15</u> mph	<u>10-25</u> mph
Forecast for evening surface winds	<u>WNW 10-20/G 25</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>WSW 5-15/G 20</u> mph	

Comments/Complaints: Windy today in Imperial County!!

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Burn Hours            ARB No Burn Day            District called No Burn Day XX  
Total actually burned today            acres Crops burned             
IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int CM

**Fig. A-17:** A copy of the Imperial County Air Pollution Control District official record (of conditions as they existed on October 30, 2016. A No Burn Day was declared. Source: ICAPCD Archives.

**FIGURE A-18**  
**IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE**

**AFFIDAVIT OF PUBLICATION**  
**(2015.5 C.C.P.)**

**STATE OF CALIFORNIA**

**County of Imperial**

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk\* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

08/17.

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.



SIGNATURE

Name of Account: I C AIR POLLUTION  
 CONTROL  
 Order Number: 11205953  
 Ad Number: 31436487

\* Printer, Foreman of the Printer, or Principal Clerk of the Printer  
 Date: 17<sup>th</sup> day of August, 2018.  
 at El Centro, California.

This space is for the County Clerk's  
 Filing Stamp:

**RECEIVED**

**AUG 22 2018**

**AIR POLLUTION  
 CONTROL DISTRICT**

**NOTICE OF AVAILABILITY  
 OF THE DEMONSTRATION OF THE OCCURRENCE  
 OF FOUR EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared four Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a continuous Federal Equivalent Method monitor (FEM) are the four Draft EE's.

August 19, 2016 and August 21, 2016  
 Brawley -156 µg/m<sup>3</sup> and Westmorland -164 µg/m<sup>3</sup>  
 El Centro - 170 µg/m<sup>3</sup>

September 19, 2016  
 Westmorland -177 µg/m<sup>3</sup>

October 30, 2016  
 Brawley -162 µg/m<sup>3</sup>

December 16, 2016  
 Brawley -845 µg/m<sup>3</sup> and Calexico -238 µg/m<sup>3</sup>  
 El Centro -207 µg/m<sup>3</sup> and Niland -530 µg/m<sup>3</sup>  
 Westmorland -733 µg/m<sup>3</sup>

The public and all interested parties are encouraged to review and comment on the four Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2016 Air District air monitors were affected by transported elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM<sub>10</sub>). Winds, associated with a weather event suspended and transported PM<sub>10</sub> into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The four Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is September 17, 2018 by close of business.

The four Draft EE's for days listed above are available for download at the Air District website at [www.co.imperial.ca.us](http://www.co.imperial.ca.us), under "Air Pollution". To view a hard copy of any of the four Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 255-1800 and ask for Monica N. Soucier.

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**Fig A-28:** A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Event Demonstration for October 30, 2016. The date for closing comments was September 17, 2018

**FIGURE A-29**  
**IMPERIAL COUNTY**  
**COMMENTS REGARDING THE OCTOBER 30, 2016 EE DEMONSTRATION**

The ICAPCD did not receive any comments